Meeting Minutes

Group: *IEEE Greater than 50G bidirectional optical access PHYs task force meeting*

Location: *Zoom teleconference.*

Date: *Aug 8, 2023*

Opening

21:00 (GMT-4)   The meeting was called to order by Yuanqiu Luo, chair. Frank Effenberger volunteered to be the Recording Secretary.

The task force chair gave her opening introduction on decorum, and an attendance list will be passed around.

Motion 1
- Move to approve the agenda, located at:
- https://grouper.ieee.org/groups/802/3/dk/public/2307/8023dk_2307_Task_Force_agenda.pdf
- M: Ray Nering   S: Ken Jackson
- Motion result: Approved by voice without opposition

Motion 2
- Move to approve the minutes from July 2023, located at:
- https://grouper.ieee.org/groups/802/3/dk/public/2307/2305_8023dk_unapproved_minutes.pdf
- M: Ken Jackson   S: Ray Nering
- Motion result: Approved by voice without opposition

The study group chair gave her opening introduction on goals, big ticket items, ground rules, process, attendance tool, and patent policy.

21:14   The task force acting chair made a call for patents; no response was made.

21:16   The task force chair reviewed the IEEE Participation guidelines and the IEEE SA Copyright policy.

All the usual IEEE policies and procedures were reviewed.

Goals for the August meeting were to discuss contributions and identify baseline candidates, concentrating on the wavelength plans, speed per wavelength, and loss budgets.

Presentations

Technical Considerations towards the   Sisi Tan   Huawei
Baseline of 100GBASE-BR10 and   Tao Gui
100GBASE-BR20

This gave a table that compiled the optical specs for the 100G bidi from the 802.3cu and the G.9806 draft. Many of the attributes were common between these two. Some are only specified in 802.3cu. And then some are different, mainly caused by the difference in link budget.

There was a good discussion on loss budgets. The BR10 budget from .3cp is 0 to 6.3 dB, and there was an interest to continue this budget. The BR20 at 15 dB matches the ITU-T class Su budget. And then for BR40, there was again a strong interest in keeping 18 dB loss budget. The ITU-T class B (10 to 20 dB) may just remain a different spec. If the penalties could be reduced by 2 dB, then maybe these can be merged (but it is unlikely to achieve that).

In general, there seems to be a strong interest in following .3cu for the BR10 and BR40 budget classes. The BR20 can follow ITU-T G.9806 class Su.

Proposed Changes to Support 100G   Sisi Tan   Huawei
and 200G BiDi PHYs in Clause 157   Tao Gui

This looked at clause 157, and outlined the changes (mostly additions) to cover the .3dk project. These were all straightforward and seemed non-controversial.

Discussions, straw-polls, other motions

Future meeting plan
The plans for our next meetings were discussed.
The September 11-14 interim meeting will be in Brazil. .3dk will meet on Monday Sep 11.
The November 13-16 plenary will be in Oahu, Hawaii.

Some last discussion was made. It was observed that there seems to be a growing consensus on the loss budgets (see above). Frank Effenberger volunteered to put together a joint contribution to the next meeting to formally propose this as our baseline for the 100G bidi. Anybody who would like to support please contact him.

Motion 3
- Move to adjourn the meeting.
- Procedural (>50%)
- M: Ray Nering   S: Frank Effenberger
- Motion passes by voice without opposition

22:07   (GMT+2)   Meeting adjourned

Attendees (13)

Name	Affiliation	8/8/2023
Kenneth Jackson	Sumitomo	X
Andy Shen	Futurewei	X
Peter Wang	Independent	X
Frank Effenberger	Futurewei	X
Guangcan Mi	Huawei	X
Limin Geng	Huawei	X
Rangchen Yu	SiFotonics	X
Ray Nering	Cisco	X
Sisi Tan	Huawei	X
Peter Wang	Independent	X
Tomoo Takahara	Fujitsu	X
Yuefeng Cai	Huawei	X
Yuanqiu Luo	Futurewei	X